



**Prairie Mud Service**

*Fluid Solutions Thru Experience and Technology*

# GILSONITE

## Safety Data Sheet


Revision Date: November 5, 2019

Review Date: May 15, 2024

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	<b>DMG GILSONITE</b>
<b>Other Means of Identification</b>	<b>UINTAITE, GILSONITE, ASPHALTITE</b>
<b>Chemical Family</b>	<b>Naturally occurring hydrocarbon</b>
<b>Recommended Use</b>	<b>Additive to Drilling and Completion Fluids, printing ink, asphalt and foundry</b>
<b>Restrictions on Use</b>	<b>None Known</b>
<b>Initial Supplier Identifier</b>	<b>Prairie Mud Service</b> <b>738 6th Street, Estevan, SK. S4A 1A4</b> <b>306-634-3411</b>
<b>Emergency Telephone Number</b>	<b>CANUTEC - (613) 996-6666 or *666 on cellular phone</b>

### SECTION 2. HAZARD IDENTIFICATION

<b>Classification</b>	Skin irritation - Category 3; Eye irritation - Category 2B; Specific target organ toxicity (single exposure) - Category 3
<b>Physical hazards</b>	May form combustible dust concentrations in air.
<b>Health hazards</b>	Causes mild skin irritation. Causes eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness.
<b>Environmental hazards</b>	Not classified
<b>Label Elements</b>	
<b>Signal word</b>	<b>WARNING!</b>
<b>Hazard statement</b>	May form combustible dust concentrations in air.
<b>Precautionary statement</b>	
<b>Prevention</b>	Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands and skin thoroughly after handling. Use only outdoors or in a well-ventilated area.
<b>Response</b>	IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
<b>Storage</b>	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
<b>Disposal</b>	Dispose of contents and container in accordance with local, regional, national and international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the skin, nose and throat.
<b>Supplemental information</b>	

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration (%)	Common name / Synonyms	Other identifiers
UINTAITE/GILSONITE	12002-43-6	100%		

**Notes** \*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### SECTION 4. FIRST-AID MEASURES

**Inhalation** If respiratory irritation or discomfort is experienced, move to fresh air. If adverse symptoms develop, seek medical attention.

**Skin Contact** Wash with soap and water. If adverse symptoms develop, seek medical attention.

**Eye Contact** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 15 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

**Ingestion** Not expected to be a primary route of exposure.  
If conscious, dilute with 2-3 glasses of water or milk. If ingestion irritation persists: seek medical advice/attention.

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### SECTION 5. FIRE-FIGHTING MEASURES

**Extinguishing Media**  
**Suitable Extinguishing Media** Foam, Dry chemicals, Carbon dioxide (CO2), water.

**Specific Hazards Arising from the Product** Can ignite if strongly heated. Combustible dust. Powder may form explosive dust-air mixture. Dust explosivity limit = 20 oz/1000ft<sup>3</sup>. Combustion forms carbon dioxide and water vapour and may produce oxides of nitrogen. Incomplete combustion may produce carbon monoxide.

**Special Protective Equipment and Precautions for Fire-Fighters** Do not entry fire area without proper personal protective equipment including NIOSH approved self-contained breathing apparatus. Evacuate area and fight fire from a safe distance. Water spray may be used to keep fire-exposed containers cool. Firefighters must wear appropriate breathing apparatus and clothing.

**Firefighting equipment / instructions** Use standard firefighting procedures and consider the hazards of other involved materials.

**General Fire hazards** Combustible. No unusual fire or explosion hazards noted.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment, and Emergency Procedures** Use the personal protective equipment recommended in Section 8 of this safety data sheet. Eliminate all ignition sources. Use grounded, explosion-proof equipment.

**Methods for Containment and Cleaning Up** Stop or reduce leak if safe to do so. Dike spilled product to prevent runoff. Avoid generating dust. Collect using shovel/scoop or approved HEPA vacuum and place in a suitable container for disposal.

**Environmental Precautions** It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.

## SECTION 7. HANDLING AND STORAGE

<b>Precautions for Safe Handling</b>	Avoid generating dusts. Eliminate heat and ignition sources such as sparks, open flames, hot surfaces and static discharge. Post "No Smoking" signs. Wear personal protective equipment to avoid direct contact with this chemical. Handle in accordance with good industrial hygiene and safety practice. It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.
<b>Conditions for Safe Storage</b>	Store in an area that is: cool, dry, well-ventilated, separate from incompatible materials (see Section 10: Stability and Reactivity).

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH® TLV®		OSHA PEL	
	TWA	STEL	TWA	STEL
UINTAITE/GILSONITE	3mg/m <sup>3</sup>	NA	5mg/m <sup>3</sup>	

<b>Notes</b>	Dusts present no more hazard than common dust. An explosive limit of 5 mg/m <sup>3</sup> has been established for a worker who spends 8 hours in such an atmosphere. At greater levels than this, special precautions should be taken or exposure times reduced.
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Appropriate Engineering Controls</b>	Use local exhaust ventilation and enclosure, if necessary, to control amount in the air.
<b>Individual Protection Measures</b>	
<b>Eye/Face Protection</b>	Wear safety glasses with side shields, goggles or face shield.
<b>Skin Protection</b>	Wear chemical protective clothing e.g. gloves, aprons and boots. Where long-term exposure to vapours, distillates or solids, resulting from heating to temperatures above 288°C can be anticipated, protective clothing is recommended.
<b>Hand protection</b>	Gloves made of nitrile, rubber or latex should be worn for prolonged or repeated contact. Wear long sleeves to prevent repeated or prolonged skin contact.
<b>Other</b>	Wear suitable protective clothing.
<b>Respiratory Protection</b>	Use a properly fitted particulate filter respirator to prevent exposure to airborne particles.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Black (solid), Brown (Powder)
<b>Physical state</b>	Solid
<b>Odour</b>	Slight hydrocarbon odour
<b>Odour Threshold</b>	Not available
<b>pH</b>	NA
<b>Melting Point and Freezing Point</b>	NA
<b>Initial Boiling Point and Boiling Range</b>	NA
<b>Flash Point</b>	316°C
<b>Evaporation Rate</b>	NA
<b>Flammability (solid, gas)</b>	NA
<b>Upper and Lower Flammability or</b>	NA

<b>Explosive Limit</b>	
<b>Vapour Pressure</b>	NA
<b>Vapour Density</b> (air = 1)	NA
<b>Relative Density (water = 1)</b>	1.04 - 1.06
<b>Solubility in Water</b>	Insoluble in water.
<b>Solubility in Other Liquids</b>	NA
<b>Partition Coefficient, n-Octanol / Water (Log Kow)</b>	NA
<b>Auto-ignition Temperature</b>	500°C
<b>Decomposition Temperature</b>	288°C
<b>Viscosity</b>	NA
<b>Explosive properties</b>	NA
<b>Oxidizing properties</b>	NA
<b>Percent volatile</b>	NA

## SECTION 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical Stability</b>	Material is stable under normal conditions.
<b>Possibility of Hazardous Reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to Avoid</b>	Keep away from heat, sparks, flame and excessive heat above 288°C
<b>Incompatible Materials</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Carbon dioxide, carbon monoxide, oxides of nitrogen.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Inhalation    Skin contact    Eye contact    Ingestion

#### Information on likely routes of exposure

<b>Inhalation</b>	Prolonged inhalation may be harmful.
<b>Skin contact</b>	No adverse effects due to skin contact are expected.
<b>Eye contact</b>	Not expected to be chemically irritating but dust in eyes may be abrasive.
<b>Ingestion</b>	Expected to be a low ingestion hazard.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Direct contact with eyes may cause temporary irritation.

#### Information on toxicological effects

<b>Acute Toxicity</b>	
<b>LC50</b>	Not known.
<b>LD50 (oral)</b>	Not known.
<b>LD50 (dermal)</b>	Not known.
<b>Notes</b>	

<b>Skin Corrosion / Irritation</b>	Mild skin irritation.
------------------------------------	-----------------------

**Serious Eye Damage / Irritation** Not expected to be chemically irritating but dust in eyes may be abrasive.

**STOT (Specific Target Organ Toxicity) - Single Exposure**  
**Inhalation:** Should not be an irritant to respiratory tract at airborne concentrations below 5 mg/m<sup>3</sup>.  
**Ingestion:** Not expected to be acutely toxic by ingestion. Not an aspiration hazard.

**Aspiration Hazard** Not an aspiration hazard.

**STOT (Specific Target Organ Toxicity) - Repeated Exposure** No information was located for: STOT (Specific Target Organ Toxicity) - Repeated Exposure, Respiratory and/or Skin Sensitization, Development of Offspring, Sexual Function and Fertility, Germ Cell Mutagenicity, Interactive Effects

**Respiratory and/or Skin Sensitization** Not a respiratory sensitizer. This product is not expected to cause skin sensitization.

**Carcinogenicity**

Chemical Name	IARC	ACGIH®	OSHA
UINTAITE / GILSONITE	Not carcinogenic.	Not carcinogenic.	Not carcinogenic.

**Notes**

**Reproductive Toxicity**

**Development of Offspring** Not known

**Sexual Function and Fertility** Not known

**Effects on or via Lactation** Not known

**Germ Cell Mutagenicity** None known

**Interactive Effects** None known

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity** No ecological information or environmental fate data is available.

**Persistence and Degradability** No data available.

**Bioaccumulative Potential** No data available.

**Mobility in Soil** No data available.

**Other Adverse Effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal Methods** Dispose of in accordance with federal, provincial and local government regulations. Containers should NOT be re-used. Containers should be disposed of in accordance with government guidelines.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**SECTION 14. TRANSPORT INFORMATION** *(section heading must appear; all content is optional)*

Regulation	UN No.	Proper Shipping Name	Technical Name (for N.O.S. entry)	Transport Hazard Class(es)	Packing Group
Not regulated					

**Special Precautions** Not applicable

**Environmental Hazards**

**Transport in Bulk**

**According to Annex II of**

**MARPOL 73/78 and the**

**IBC Code**

Not applicable

**SECTION 15. REGULATORY INFORMATION**

**Safety, Health and  
Environmental  
Regulations**

Canada Domestic Substances List (DSL): Yes

**WHMIS 1988 Classification**



Class D2B

D2B - Toxic (Skin irritant; Eye irritant)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

**SECTION 16. OTHER INFORMATION**

**Date of Latest Revision** November 5, 2019

---